NETWORKING PEOPLE TOGETHER

IC-7000

Pan/Tilt IP Surveillance Camera

Quick Installation Guide

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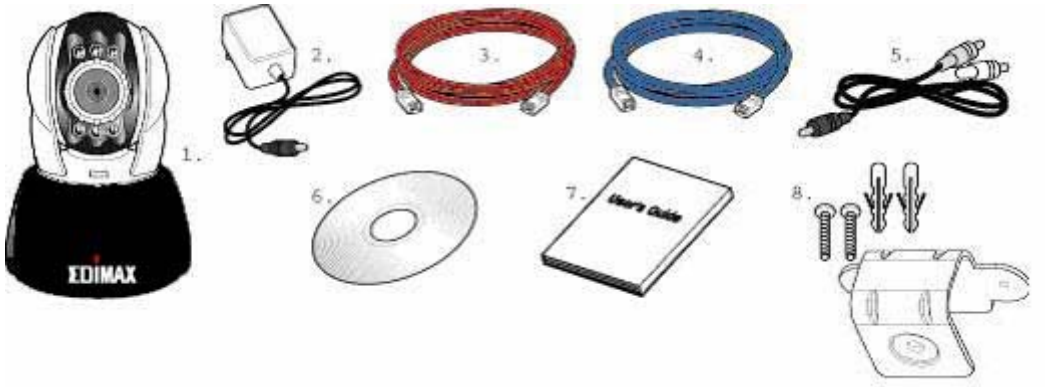
HOLDERS HOLDERS1. OVERVIEW

1.1 PRODUCT DESCRIPTION

IC-7000 is an effective and easy-to-use IP Camera for remote monitoring. The setup procedure required for this device is very simple. Built-in Web server allows you to use web browser (e.g., Microsoft IE) through LAN or internet in any time and any place. Type the IP address of the IP-CAM camera on the address bar of web browser to carry out the works of remote image monitoring and administration. Also, the user can control the motor of the camera to change the direction of camera over internet, and obtain the real-time image of the monitored location.

In addition, the camera supports many network protocols such as PPPoE, DHCP, STATIC IP, DDNS, SMTP, FTP and NTP with high-performance SDRAM control and memory card access. The built-in TV-out decoding/coding feature can display monitored image on TV screen (NTSC or PAL TV) in families with combining fast Motion Detection and SD Expansion Card in hardware. Moreover, IC-7000 is equipped with IR LED, so it is capable to work in environments without light. Besides, this device also has the function of video recording and real-time photographing. To a family, such remote monitoring can reach professional security and have great fun.

1.2 PACKAGE CONTENTS



1. IC-7000 Pan/Tilt IP-Camera
2. Power adaptor, 5V/ 1.5A .
3. Ethernet Cable(red), used to connect to the network card of PC for testing purpose and camera configuration.
4. Ethernet Cable (blue), used to connect to Hub, ADSL modem, residential router.
5. TV-OUT A/V Cable
6. Setup CD
7. User's Guide
8. Accessory for mounting camera.

If any item is missing or damaged, please contact your local resellers for service.

1.3 SYSTEM REQUIREMENT

PC

- Processor: Intel Pentium 4 ® 1.4GHz or above is recommended
- RAM: 256MB or more.
- Operation System: Windows 2000® or Windows XP®
- Hard Disk: More than 10MB or more available disk spaces.

Network

- Network Interface: 10/100/1000 Ethernet interface..
- Web Browser: Microsoft Internet Explorer 6.0 or above
- Internet connectivity.
- Active-X plug-in.of IE.

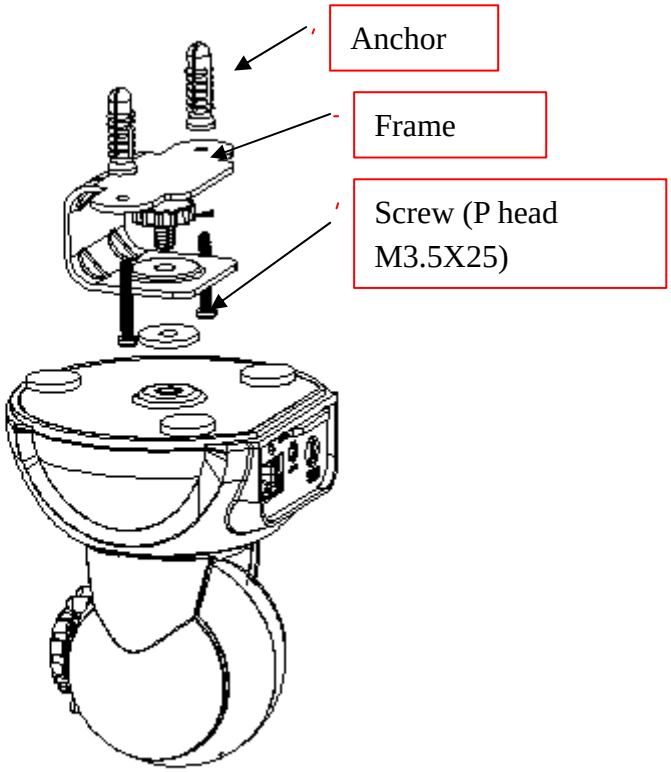
1.4 INTRODUCTION OF IC-7000 EXTERIOR FUNCTIONS

Usage of Reset Switch:

In case the system is working abnormally, press and hold Reset Switch for a short period of time (about 3 to 5 seconds) until Status LED is illuminated. The system will restart and the device will recover to the factory default settings.

How to insert SD card:

1.5 PRODUCT SET-UP



2. UTILITIES AND TOOLS

2.1 CAM_EZ SEARCH

Insert the CD Disk into your CD-ROM drive. The Autorun.exe program should be executed automatically. If not, run Autorun.exe manually from “Autorun” folder in the CD. You can click the Setup Utility to configure WAN connection or click QIG , Manual to study . If your PC do not install Adobe Reader , you should click “Adobe Reader ” iconto install .

When the installation is completed, you will get ” CAM_EZ Search “ as follows ：

CAM_EZ Search is a camera search utility comes with this product. It can search all IP CAMs connected to LAN by sending broadcasting packets. After IP CAM responds the inquery packet, the utility will display a list of all IP CAM found on LAN. And it allows you to modify the settings of specified IP CAM, such as IP address or the name of IP CAM.

CAM_EZ Search Screen

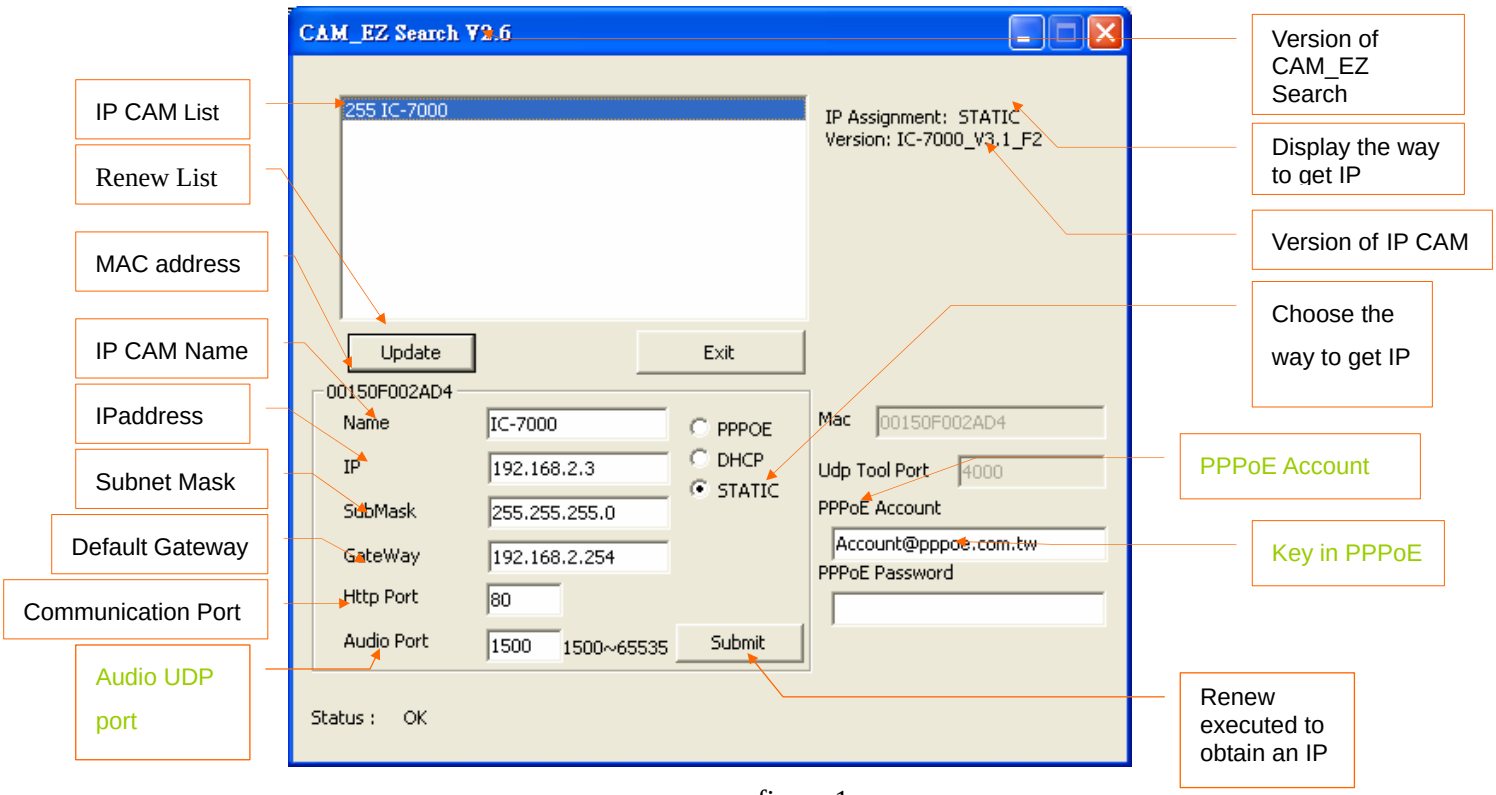


figure 1

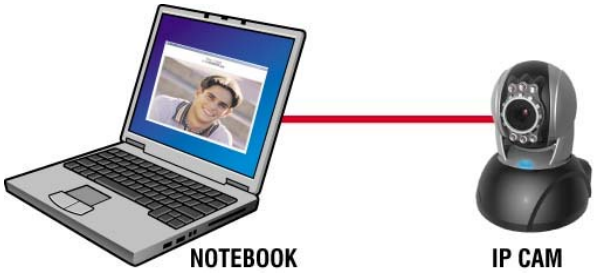
2.2 USE IP-CAM AND TEST THE FUNCTIONALITY FOR THE FIRST TIME

※ The following network architecture is suitable for IP-CAM test/ IP address change (static IP address) /firmware update (strongly recommended).

Please refer to the following instructions:

A. Installing the camera for the first time:

- You computer must be equipped with network card and RJ-45 network connector.
- Connect the RJ-45 jack which is located at the rear of IP-CAM with the red test network cable. One end is connected to the network jack of computer; the other end is connected to the network jack located at the rear side of the IP-CAM.
- Connect the power adaptor to the power port (on the rear) of IP-CAM. Now, the status LED on the top of IP-CAM will be illuminated.



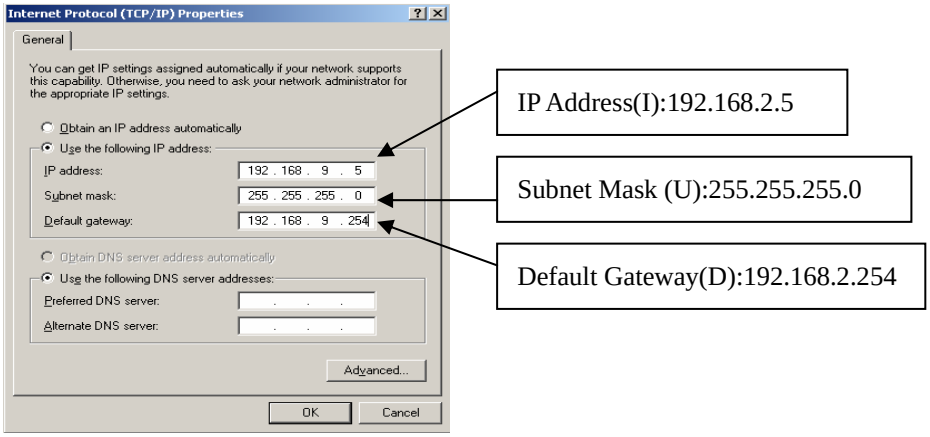
B. Make sure the IP addresses of PC and IP CAM are on the same network

section:

- Usually, static IP address will be used to access Internet, so the IP address will vary. When you want to change IP address, please write down the original IP address on your computer first. Then you have to modify the IP address of your computer for testing if the IP-CAM can be operated normally or not. After finishing the test, IP address for your computer should be recovered to original settings.
- In general, the IP address for your computer in LAN will be set with "Obtain an IP address automatically". To test the IP-CAM is working properly or not, the IP address of your computer must be changed temporarily. After the test is finished, it can be changed back to original setting.

C. Next, choose Control Panel->Network Connections->choose the activated area

Network Connections---> right click your mouse --->select Properties(P)---> Select Internet Protocol (TCP/IP)---> Select Properties(R) , then you can check the current IP address status for the computer. The way to modify IP address as follows：192.168.2.5 / 255.255.255.0 / 192.168.2.254


Internet Protocol (TCP/IP) Properties
General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address: 192 . 168 . 9 . 5
Subnet mask: 255 . 255 . 255 . 0
Default gateway: 192 . 168 . 9 . 254
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server:
Alternate DNS server:
Advanced...
OK
Cancel
IP Address(I):192.168.2.5
Subnet Mask (U):255.255.255.0
Default Gateway(D):192.168.2.254

D. Open and execute CAM_EZ Search (as shown in Figure 2). The system will scan the IP-CAM that you just installed automatically. Then, you will find 255IC-7000 in the column of Camera Lists. Click 255IC-7000 with left mouse button. You can see the default settings of IP-CAM.

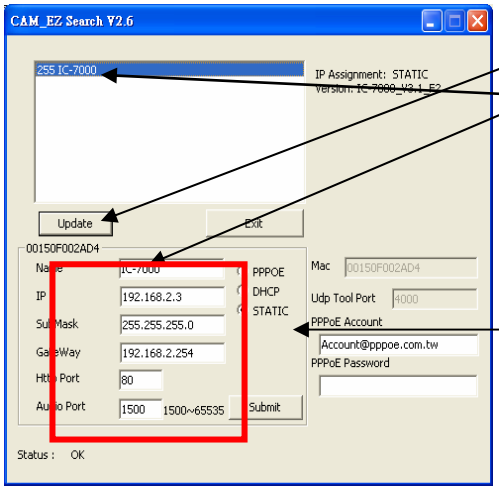


Figure 2

Step 1. Click Update. You can see 255IC-7000.

Step 2. Click 255IC-7000. You can see

Name : IC-7000

IP : 192.168.2.3

SubMask :255.255.255.0

GateWay :192.168.2.254

HTTP Port :Http communication port. The default setting is 80.

AudioPort: Port used for audio transmission, default setting is 1500.

Step 3. Make sure the IP setting is STATIC.

Step 4. Double click on 255IC-7000 to launch the browser. Type ID/Password to login and get accessed to network monitoring screen (for detailed information, please refer to 3.1). If you can see the image displayed in web browser, it means that IP-CAM is working properly.

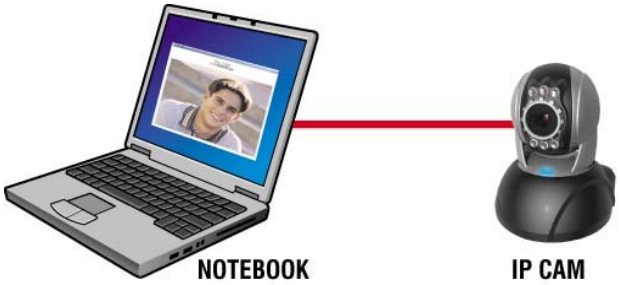
2.3 NETWORK SETUP

Before you set up IP CAM, you have to know how your ISP provide you with IP address (static or dynamic). If you do not know, please contact your ISP and ask for help. Common network architecture (1 ~ 7 types).is listed in section 2.4 of manual , you can refer to the listing to find out which type is suitable for your computer and finish the setting as the instructions given in section 2.4. To set up IP-CAM and IP address, the common way that people use is to change the obtaining of IP address of IP-CAM**. You can see the following example：

2.4 SETTING THE WAY HOW IP-CAM OBTAIN IP ADDRESS

2.4-1 STATIC - IP Address Setting

- You computer must be equipped with network card and RJ-45 network jack.
- Connect the RJ-45 jack on the rear of IP-CAM with the red test network cable. One end is connected to the network card of computer; the other end is connected to the network jack located at the rear of the IP-CAM.
- Connect the power adaptor to the power jack (on the rear of IP-CAM). Now, the status LED on the top of IP-CAM will be illuminated.



- Open and execute CAM_EZ Search (as shown in Figure 3). The system will scan the IP-CAM that you just installed automatically. Then, you will find 255IC-7000 in the column of Camera Lists. Click 255IC-7000 with left mouse button. You can see the default settings for IP-CAM.

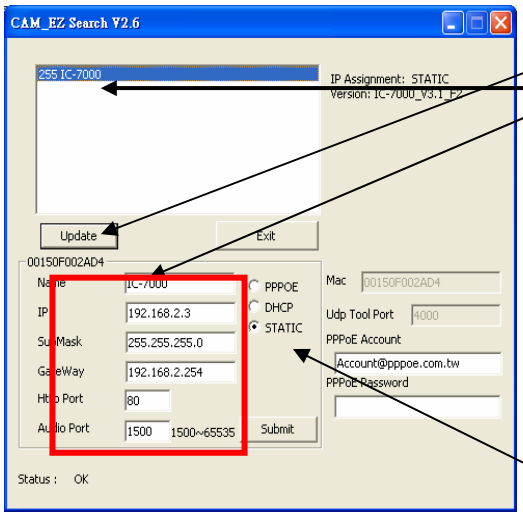
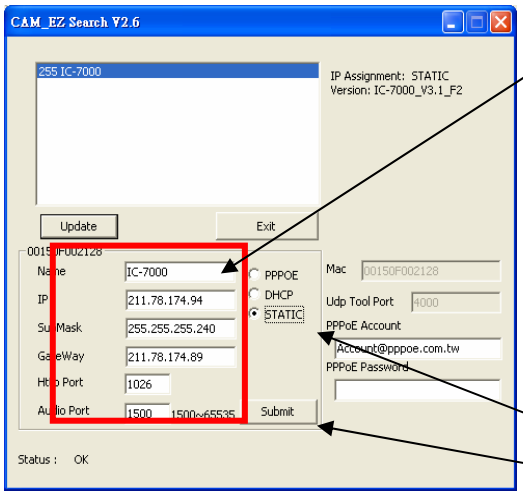


Figure 3

Step 1. Click Update. You can see 255 IC-7000.
Step 2. Click 255 IC-7000. You can see
Name : IC-7000
IP : 192.168.2.3
SubMask : 255.255.255.0
GateWay : 192.168.2.254
HTTP Port : Http communication port. The default setting is 80.
(If you have multiple IP-CAMs installed in the same network, you have to divide them with different Port numbers, e.g, 1025、1026、1039….)
UDP Port : UDP port，Pre-setting is 1500
Step 3. Make sure the IP setting is STATIC.

- Fill static IP Address as shown below. (If you do not know your IP address, please contact your ISP. An example of static IP Address modification.is shown below)



Step 4. Type Fixed IP.
Name : IC-7000
IP : 211.78.174.94
SubMask : 255.255.255.248
GateWay : 211.78.174.89
HTTP Port : Http communication port. The default setting is 80.
(If you have multiple IP-CAMs installed in the same network, you have to divide them with different Port numbers, e.g, 1025、1026、1039…..)
UDP Port : UDP Port，Pre-setting is 1500
Step 5. Choose STATIC.
Step 6. After finishing the settings, click Submit. The network settings for IC-7000 IP-CAM will be renewed.

Example:

After you finish the setting , you can view something by IC-7000 from internal .

1. Set up the IP CAM with static IP address.
2. Turn on your computer and launch IE browser. Type 211.78.174.94:(1025、1026、1039….) in the Address line. Now you can see the monitoring screen on web browser.